

ABSTRACT

An optical fiber is prepared by applying a liquid
5 electron beam-curable resin composition to a bare optical
fiber or a coated optical fiber having a primary or
secondary coating on a bare optical fiber, irradiating
electron beams to the resin composition on the optical fiber
for curing while the optical fiber passes a zone under
10 substantially atmospheric pressure, and providing a magnetic
field and optionally an electric field in the zone for
thereby improving the efficiency of electron irradiation.
The method can comply with the increased drawing speed of
the bare optical fiber and does not detract from the
15 transmission properties of the optical fiber.